

Notice of Allowability

Application No.

09/921,697

Examiner

Jerome Grant II

Applicant(s)

TAKANO

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to _____.
2. ☒ The allowed claim(s) is/are 1-25.
3. ☒ The drawings filed on 13 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 3-6-2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

JEROME GRANT II
PRIMARY EXAMINER

Reasons for Allowance

Claims 1, 2, 5-7, 11, 13, 15 and 16 are allowed for the reasons the prior art does not teach or suggest in claimed combination, "... pattern selecting signal combining section which generates a pattern selecting signal for selecting a specified pattern in said pattern table from said input image signal, combines the pattern selecting signal with said in-pattern position signal supplied from said in-pattern position calculator, and supplies an address in the pattern table."

Claims 3, 4, 12, 14 and 17 are allowed for the reason the prior art does not teach or suggest in claimed combination, "... an interpolation original data reading section which reads two consecutive pattern data in an address space of said pattern table as interpolation original data from said pattern table based on the address in said pattern table calculated by said pattern selecting signal combining section and an interpolation processor which uses said data for interpolation calculated by said pattern selecting signal combining section, subjects said two interpolation original data read by said interpolation original data reading section to the interpolation processing and supplies a result of the interpolation processing as image data. "

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Claim 8 is allowed for the reason the prior art does not teach the pattern selecting signal combining section as claimed.

Claim 9 is allowed for the reason the prior art does not teach in claimed combination, "... a channel dividing section which divides an image signal of a plurality of channels into the image signals of the respective channels" and the pattern selecting signal combining section as claimed.

Claim 10 is allowed for the reason the prior art does not teach the signal selecting section which selects and outputs one of the image data supplied froms aid first and second pattern table reading sections in response to an inputted pattern table change signal.

Claims 18 and 19 are allowed for the reason the prior art does not teach in claimed combination, generating a pattern selecting signal for selecting a specified pattern in said pattern table from said input image signal , combining the pattern selecting signal with said in-pattern position signal. And supplying an address in the pattern table.."

Claims 20 and 21 are allowed for the reason the prior art does not teach or suggest in claimed combination, "... generating a pattern selecting signal as claimed..." reading two consecutive pattern data in an address space of said

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pattern table as interpolation original data from said pattern table based on the address in said pattern....using said data for interpolation, subjecting said two interpolation original data to the interpolation processing and supplying a result of the interpolation processing as image data.

Claims 22 and 23 are allowed for the reason the prior art does not teach or suggest in claimed combination, "... generating a pattern selecting signal for selecting a specified pattern in said pattern table from said input image signal, combining the pattern selecting signal with said in-pattern position signal and supplying an address in the pattern table."

Claims 24 and 25 are allowed for the reason the prior art does not teach in claimed combination, "... generating a pattern selecting signal for selecting a specified pattern in said pattern table from said input image signal, and calculating an address in the pattern table and data for interpolation for use in an interpolation processing from the pattern selecting signal and said in-pattern position signal... reading two consecutive pattern data in an address space of said pattern table as interpolation original data from said pattern table based on the address in said pattern table. Using said data for interpolation, subjecting said two interpolation original data to the interpolation processing and supplying a result of the interpolation processing image data."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 703-305-4391. The examiner can normally be reached on Mon.-Fri. from 9:0 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A Williams, can be reached on 703-305-4863. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

J. Grant II